

Prepared for:
Kultiv LLC


16192 Coastal Highway
Lewes, DE USA 19958

Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number: 240308F | Test: Pesticides | Reported: 13Mar2024 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000273800 | Started: 12Mar2024 | Sampler ID: NA |
| | Method(s): TM17 (LC-QQ LC MS/MS) | Received: 11Mar2024 | Status: NA |

| Pesticides | Dynamic Range (ppb) | Result (ppb) | Pesticides | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|-----------------|---------------------|--------------|
| Abamectin | 392 - 2731 | ND | Malathion | 283 - 2748 | ND |
| Acephate | 42 - 2664 | ND | Metalaxyl | 46 - 2742 | ND |
| Acetamiprid | 44 - 2648 | ND | Methiocarb | 44 - 2738 | ND |
| Azoxystrobin | 47 - 2718 | ND | Methomyl | 45 - 2685 | ND |
| Bifenazate | 47 - 2741 | ND | MGK 264 1 | 164 - 1602 | ND |
| Boscalid | 39 - 2707 | ND | MGK 264 2 | 127 - 1068 | ND |
| Carbaryl | 42 - 2679 | ND | Myclobutanil | 44 - 2663 | ND |
| Carbofuran | 44 - 2687 | ND | Naled | 49 - 2691 | ND |
| Chlorantraniliprole | 38 - 2697 | ND | Oxamyl | 43 - 2699 | ND |
| Chlorpyrifos | 54 - 2722 | ND | Pacllobutrazol | 44 - 2693 | ND |
| Clofentezine | 280 - 2713 | ND | Permethrin | 159 - 2746 | ND |
| Diazinon | 286 - 2720 | ND | Phosmet | 39 - 2612 | ND |
| Dichlorvos | 266 - 2715 | ND | Prophos | 306 - 2711 | ND |
| Dimethoate | 44 - 2642 | ND | Propoxur | 47 - 2704 | ND |
| E-Fenpyroximate | 229 - 2831 | ND | Pyridaben | 295 - 2707 | ND |
| Etofenprox | 49 - 2693 | ND | Spinosad A | 34 - 2071 | ND |
| Etoazole | 301 - 2626 | ND | Spinosad D | 67 - 652 | ND |
| Fenoxycarb | 43 - 2722 | ND | Spiromesifen | 290 - 2706 | ND |
| Fipronil | 61 - 2766 | ND | Spirotetramat | 295 - 2796 | ND |
| Flonicamid | 56 - 2698 | ND | Spiroxamine 1 | 15 - 1051 | ND |
| Fludioxonil | 284 - 2706 | ND | Spiroxamine 2 | 24 - 1592 | ND |
| Hexythiazox | 42 - 2735 | ND | Tebuconazole | 297 - 2745 | ND |
| Imazalil | 281 - 2771 | ND | Thiacloprid | 45 - 2648 | ND |
| Imidacloprid | 45 - 2681 | ND | Thiamethoxam | 43 - 2686 | ND |
| Kresoxim-methyl | 45 - 2785 | ND | Trifloxystrobin | 46 - 2706 | ND |

Final Approval



Karen Winternheimer
13Mar2024
09:45:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
13Mar2024
09:47:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b5ee2876-5847-428b-80fc-860ddc38fa34>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
b5ee28765847428b80fc860ddc38fa34.1

CERTIFICATE OF ANALYSIS

Prepared for:
Kultiv LLC

16192 Coastal Highway
Lewes, DE USA 19958


Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 240308F | Test: Potency | Reported: 25Mar2024 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000274792 | Started: 21Mar2024 | Sampler ID: N/A |
| | Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis | Received: 20Mar2024 | Status: Active |

Cannabinoids

| | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) | Notes |
|--|---------|---------|---------------|---------------|-------|
| Cannabichromene (CBC) | 0.005 | 0.020 | 0.517 | 5.17 | |
| Cannabichromenic Acid (CBCA) | 0.005 | 0.018 | ND | ND | |
| Cannabidiol (CBD) | 0.019 | 0.055 | 6.822 | 68.22 | |
| Cannabidiolic Acid (CBDA) | 0.019 | 0.057 | <LOQ | <LOQ | |
| Cannabidivarin (CBDV) | 0.004 | 0.013 | 0.053 | 0.53 | |
| Cannabidivarinic Acid (CBDVA) | 0.008 | 0.024 | ND | ND | |
| Cannabigerol (CBG) | 0.003 | 0.011 | 0.448 | 4.48 | |
| Cannabigerolic Acid (CBGA) | 0.013 | 0.047 | ND | ND | |
| Cannabinol (CBN) | 0.004 | 0.015 | 3.512 | 35.12 | |
| Cannabinolic Acid (CBNA) | 0.009 | 0.032 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.015 | 0.055 | <LOQ | <LOQ | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.014 | 0.050 | 0.174 | 1.74 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.012 | 0.045 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.003 | 0.010 | <LOQ | <LOQ | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.011 | 0.039 | ND | ND | |
| Total Cannabinoids | | | 11.526 | 115.26 | |
| Total Potential THC | | | 0.174 | 1.74 | |
| Total Potential CBD | | | 6.822 | 68.22 | |

Final Approval



Karen Winternheimer
25Mar2024
09:58:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
25Mar2024
09:59:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2a4d706a-ffa0-45ef-9036-ecaf3340b8f1>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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Cert #4329.02

CDPHE Certified
2a4d706affa045ef9036ecaf3340b8f1.1

CERTIFICATE OF ANALYSIS

Prepared for:
Kultiv LLC


16192 Coastal Highway
Lewes, DE USA 19958

Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 240308F | Test: Residual Solvents | Reported: 13Mar2024 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000273803 | Started: 12Mar2024 | Sampler ID: N/A |
| | Method(s): TM04 (GC-MS): Residual Solvents | Received: 11Mar2024 | Status: Active |

| Residual Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 117 - 2337 | ND | |
| Butanes (Isobutane, n-Butane) | 219 - 4375 | ND | |
| Methanol | 65 - 1305 | ND | |
| Pentane | 104 - 2077 | ND | |
| Ethanol | 106 - 2119 | ND | |
| Acetone | 105 - 2091 | ND | |
| Isopropyl Alcohol | 106 - 2110 | ND | |
| Hexane | 7 - 132 | ND | |
| Ethyl Acetate | 105 - 2105 | ND | |
| Benzene | 0.2 - 4.2 | ND | |
| Heptanes | 102 - 2043 | ND | |
| Toluene | 19 - 373 | ND | |
| Xylenes (m,p,o-Xylenes) | 132 - 2636 | ND | |

Final Approval



Karen Winternheimer
13Mar2024
10:30:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
13Mar2024
10:31:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9cb38305-03e2-4eff-a13d-8032d98fee5d>

Definitions

ND = None Detected (defined by dynamic range of the method)
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Cert #4329.02

CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
Kultiv LLC

16192 Coastal Highway
Lewes, DE USA 19958

Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|---|-------------------------------|---------------------|
| Batch ID or Lot Number: 240308F | Test: Heavy Metals | Reported: 13Mar2024 | USDA License: NA |
| Matrix: Finished Product | Test ID: T000273802 | Started: 13Mar2024 | Sampler ID: NA |
| | Method(s): TM19 (ICP-MS): Heavy Metals | Received: 11Mar2024 | Status: NA |

| Heavy Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|--------------|---------------------|--------------|-------|
| Arsenic | 0.05 - 4.62 | ND | |
| Cadmium | 0.05 - 4.51 | ND | |
| Mercury | 0.05 - 4.59 | ND | |
| Lead | 0.04 - 4.50 | ND | |

Final Approval



Phillip Travisano
13Mar2024
12:04:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
13Mar2024
12:21:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/124342e9-54e8-4d5a-b11b-9a4b45e00ed8>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified

124342e954e84d5ab11b9a4b45e00ed8.1

CERTIFICATE OF ANALYSIS

Prepared for:
Kultiv LLC

16192 Coastal Highway
Lewes, DE USA 19958

Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 240308F | Test: Microbial Contaminants | Reported: 15Mar2024 | USDA License: N/A |
| Matrix: Finished Product | Test ID: T000273801 | Started: 12Mar2024 | Sampler ID: N/A |
| | Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel) | Received: 11Mar2024 | Status: Active |

Microbial

| Contaminants | Method | LOD | Quantitation Range | Result | Notes |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| STEC | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| <i>Salmonella</i> | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | |
| Total Yeast and Mold* | TM24: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |
| Total Aerobic Count* | TM26: Culture Plating | 10 ² CFU/g | 1.0x10 ³ - 1.5x10 ⁵ | None Detected | |
| Total Coliforms* | TM27: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |

Final Approval



Brett Hudson
15Mar2024
10:22:00 AM MDT



Eden Thompson-Wright
15Mar2024
11:13:00 AM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/608da1fe-7e7d-4e08-afc6-eb296b2a9418>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Cert #4329.02

CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
Kultiv LLC


16192 Coastal Highway
Lewes, DE USA 19958

Brazil 2000mg CBD 1000mg CBN MCT Tincture

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 240308F | Test: Mycotoxins | Reported: 19Mar2024 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000273804 | Started: 18Mar2024 | Sampler ID: N/A |
| | Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins | Received: 11Mar2024 | Status: Active |

| Mycotoxins | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|---------------------|--------------|-------|
| Ochratoxin A | 2.92 - 132.60 | ND | N/A |
| Aflatoxin B1 | 0.96 - 34.28 | ND | |
| Aflatoxin B2 | 1.06 - 34.18 | ND | |
| Aflatoxin G1 | 1.09 - 34.51 | ND | |
| Aflatoxin G2 | 1.16 - 34.68 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |

Final Approval



Karen Winternheimer
19Mar2024
09:36:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
19Mar2024
09:37:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/95ee9a84-49ba-4840-a182-654e960b250b>

Definitions

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Cert #4329.02

CDPHE Certified

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